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(54) Title: METHODS AND COMPOSITIONS FOR SELECTIVELY ENRICHING MICROBES

(57) Abstract: The present invention provides methods and materials to selectively enrich target microbes in a sample.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/40806

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/04; C12N 1/00, 1/20, 1/36, 1/38, 13/00; G01N 33/536, 33/539, 33/566
 US CL : 435/34, 173.4, 243, 244, 245, 253.6; 436/501, 536, 539

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 435/34, 173.4, 243, 244, 245, 253.6; 436/501, 536, 539

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Please See Continuation Sheet

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,136,554 A (BOCHNER) 24 October 2000 (24.10.2000). Entire document, especially Abstract., Tables 1-4, Column 19, Lines 13 to Column 22, Line 58; Column 24, Line 8 to Column 27, Line 50.	1-61
Y	US 6,379,918 B1 (FELDSINE et al.) 30 April 2002 (30.04.2002). Entire document, especially abstract; Column 3, Line53 to Column 5, Line 39 and Claims 1-25.	1-61

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 01 February 2005 (01.02.2005)	Date of mailing of the international search report 18 FEB 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Dr. Kailash C. Srivastava Telephone No. (571) 272-1600

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INTERNATIONAL SEARCH REPORT

PCT/US 0806

Continuation of B. FIELDS SEARCHED Item 2:

EATON ET AL., 1995, STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER. 19TH EDITION. AMERICAN WATER WORKS ASSOCIATION/ AMERICAN PUBLIC HEALTH ASSOCIATION.

Continuation of B. FIELDS SEARCHED Item 3:

DWPI, EPAB, JPAB, PGPB, USOC, USPT, ADISNEWS, AGRICOLA, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, DISSABS, EMBAL, EMBASE, ESBIOBASE, FEDRIP, FROSTI, FSTA, HCPLUS, HEALSAFE, IFIPAT, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF, MEDLINE, NTIS, PROMPT, RDISCLOSURE, REGISTRY, SCISEARCH, TOXCENTER, USPATFULL, WPIDS.

Search Terms:

Escherichia coli, enteropathogenic, toxigenic, pathogenic, enterohemorrhagic, hemorrhagic, enterotoxigenic, bacteria, acidic, selective, culture media, nutrients, pH 1-6, 2-4, 1-4, sorbitol or "RN-50-70-4", selenite or "RN-15698-85-8", tellurite or "RN-37368-05-2", pH or hydrogen ion concentration, identif?, isolat?, identif?, recogniz\$/?, SOB medium, LB, BHI, brain heart infusion, trypsoy broth or TSB, NZCYM, RIA or radioimmunoassay, ELISA, antibody assay.

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INTERNATIONAL SEARCH REPORTInternational Application No
PCT/US 03/39987

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2001/022964 A1 (SH.S.LEUNG ET AL.) 20 September 2001 (2001-09-20) claims examples tables paragraphs '0026!, '0031!, '0033! - '0054!, '0088! - '0125! ----- WO 00/42992 A (LAVIPHARM) 27 July 2000 (2000-07-27) claims examples page 10, line 7 - page 11, line 31 page 14, line 12 - page 15, line 12 -----	1-45
Y		1-45